

Embercombe Risk Assessment

Forge

Description of main hazards and hazardous events:

The forge area is small and the confined space combined with hot surfaces and hot objects mean that the risk if the area is overcrowded is high. Skin may come into contact with hot surfaces or hot objects causing burning. Clothing may also catch fire causing burning injuries. Hot metal objects may jump unexpectedly if they are being hammered and the hold of the tongs is not sufficient. There is a risk of blinding or burning of the skin. Hot metal objects also pose a risk when they are rested on the side as they may look cold. There is a risk of fire spreading to the surrounding area. The hammering of the metal can produce a loud noise and prolonged exposure could damage hearing. Hammering can also produce significant vibration and prolonged exposure could lead to hand and arms vibration syndrome.

Persons exposed: Employees Volunteers Clients / Public
Contractors Vulnerable groups

Existing controls:

There should be no more than five people using the forge area at one time. High risk clothing such as polyesters should not be worn in the forge area. Sleeves should be rolled up. Eye and ear protection is provided for use in the forge area. Water buckets are provided for quenching metal. There is a first aid kit allocated for the forge. When appropriate work pieces can be welded to iron rods to better secure working metal.

Are there any further controls recommended?

The forge area needs developing so that a safer working space is provided. Investment is needed in tools and equipment. The ground around the forge needs levelling and improving. A stock of PPE should be provided for exclusive use at the forge. There should be a running water supply for the forge.

Summary of Safety Advice

Only 5 people can use the forge area at one time.
Ensure water buckets are full before using the forge.
Establish a safe working practice before starting.

Other risk assessments you should read; [Campfires](#), [General Site](#)

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Job title: Site Manager

Signed:



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